

TABLE 2: LIST OF STRAINS AND COMPOSITIONS UNDER STANDARD SCREENING CONDITIONS

PER CENT OF TOTAL FATTY ACIDS						Other FA	Total Omega3	Total Omega6	Strain
C16:0	C20:4w6	C20:5w3	C22:5w6	C22:5w3	C22:6w3				
30.41	2.01	6.61	3.21	0.71	0.31	40.51	15.11	6.01	21
22.91	0.41	2.31	15.51	0.51	47.01	11.51	49.71	15.91	AICC20009
14.91	6.51	12.01	11.01	0.41	49.71	4.71	62.11	10.31	U40-2
40.31	1.71	3.01	0.61	0.01	0.71	37.41	12.01	10.21	210
20.71	0.41	7.01	0.01	0.01	1.11	70.11	0.71	0.41	BGI
26.01	5.71	1.51	9.71	0.71	9.71	46.71	11.91	15.41	56A
16.41	1.41	10.01	1.91	2.21	46.41	21.01	50.61	3.31	11A-1
23.71	3.31	10.51	1.91	1.01	29.91	20.91	42.21	5.21	4A-1
10.71	6.91	9.21	11.91	3.21	25.21	24.91	37.51	10.01	17B
15.41	4.21	7.31	9.51	0.91	51.21	11.61	59.31	13.71	AICC20091
22.31	3.91	7.61	23.51	0.51	22.11	20.21	30.21	27.41	544
14.41	2.31	15.01	10.41	0.71	43.01	5.51	59.41	20.71	U10
22.11	7.01	3.11	12.71	1.01	14.91	30.31	19.01	20.51	59A
10.11	2.31	6.91	9.11	0.01	52.21	10.61	59.91	11.41	U37-2
15.01	3.91	0.01	11.61	1.21	53.31	5.51	63.31	15.51	550W
23.71	3.01	6.31	6.91	0.61	43.01	15.61	50.01	10.71	AICC20091
10.01	0.01	0.01	0.01	0.01	0.01	90.01	0.01	0.01	UX
16.61	6.31	11.91	13.31	1.71	43.01	7.31	56.61	19.51	1W9
17.31	2.31	0.41	11.41	0.71	53.61	6.51	62.61	13.61	C32-2
23.01	1.21	6.41	2.51	1.91	34.41	29.01	42.61	3.71	5A-1
17.11	5.21	11.11	7.61	2.21	27.21	29.61	40.41	12.91	BGI
25.41	2.21	9.61	7.01	1.11	46.01	0.01	56.71	9.11	U3
16.91	12.01	6.61	16.71	0.41	25.11	72.01	32.11	20.21	550
26.31	2.61	0.61	2.01	2.51	32.41	25.51	43.51	4.61	10A
19.41	0.31	9.01	0.01	0.31	30.41	31.71	40.61	0.31	320
16.01	16.71	0.61	10.41	0.01	22.51	17.71	31.11	35.11	560
10.61	7.71	11.41	3.61	4.31	31.71	22.71	47.41	11.21	5X2
17.01	4.41	16.21	6.41	3.71	33.61	17.01	53.51	10.91	530
16.01	2.71	13.01	20.51	1.41	39.31	5.51	54.41	23.31	549
20.01	0.01	0.91	6.41	1.71	33.91	20.31	44.51	14.41	53
14.01	0.31	3.71	3.91	0.01	69.91	7.41	73.61	4.21	3A-1
20.11	5.21	12.71	3.21	0.91	20.91	29.01	34.51	0.41	15A
20.91	0.71	0.51	1.01	0.01	35.01	33.01	44.31	1.71	9A-1
15.71	10.21	0.01	13.41	1.51	23.91	26.31	34.31	23.71	510
16.21	11.21	7.01	16.41	1.51	20.41	26.51	29.71	27.61	0A-1
20.51	5.51	0.61	4.01	2.71	20.71	29.21	40.01	10.31	13A-1
16.11	13.61	11.11	16.01	0.01	20.41	14.01	39.41	29.61	240-2
16.91	7.31	16.41	6.11	0.01	40.01	12.41	57.21	13.41	240-1
16.21	0.01	10.91	1.01	0.01	56.51	15.51	67.41	1.01	30
17.01	0.01	5.01	2.31	0.01	73.41	2.31	70.31	2.31	50G5
20.01	4.51	5.01	3.01	1.01	22.71	41.31	29.51	0.41	160
19.01	14.01	0.31	10.91	0.71	23.91	15.21	32.91	32.91	6A-1
10.01	0.31	10.11	0.01	0.01	40.91	22.71	59.01	0.31	330

PER CENT OF TOTAL FATTY ACIDS							Total	Total	Strain
C16:0	C20:4w6	C20:5w3	C22:5w6	C22:5w3	C22:6w3	Other FA	Omega3	Omega6	
30.5%	0.0%	7.1%	0.0%	0.0%	0.6%	61.8%	7.7%	0.0%	BRNG
10.2%	14.9%	0.3%	10.7%	0.0%	24.4%	15.5%	32.7%	33.6%	17A
17.4%	2.0%	9.3%	2.0%	0.0%	55.7%	12.7%	65.0%	4.9%	60A
14.1%	0.0%	13.0%	1.2%	0.0%	67.0%	3.1%	80.0%	2.0%	26B
17.0%	5.0%	6.9%	15.0%	1.5%	47.4%	6.4%	55.0%	20.0%	AICC20000
16.0%	0.0%	1.0%	2.0%	0.0%	70.0%	9.4%	72.6%	2.0%	2A
24.6%	0.0%	4.0%	0.0%	0.0%	49.4%	22.0%	53.4%	0.0%	44A
17.4%	1.0%	0.0%	2.9%	0.0%	55.3%	23.3%	55.3%	4.6%	14A
23.3%	1.3%	4.6%	0.0%	0.0%	12.6%	50.4%	17.3%	1.3%	41B
19.3%	0.0%	1.1%	3.0%	0.0%	66.6%	9.1%	67.0%	3.0%	66A
10.6%	15.6%	0.3%	17.1%	1.1%	24.6%	14.8%	33.9%	32.7%	11A
19.6%	5.1%	10.1%	27.2%	0.0%	27.5%	10.6%	37.5%	32.3%	2%
15.7%	2.4%	14.0%	25.7%	0.0%	36.7%	5.4%	50.0%	20.1%	33A
14.6%	1.5%	13.5%	0.0%	0.0%	66.0%	4.3%	79.5%	1.5%	AICC20072

PRIOR STRAINS

PER CENT OF TOTAL FATTY ACIDS							Total	Total	Strain
C16:0	C20:4w6	C20:5w3	C22:5w6	C22:5w3	C22:6w3	Other FA	Omega3	Omega6	
15.7%	3.9%	3.7%	0.1%	0.0%	55.1%	13.5%	50.0%	12.0%	AICC34304
20.2%	1.6%	6.9%	11.4%	0.0%	17.0%	34.1%	24.7%	12.9%	AICC24473
15.2%	2.9%	7.7%	9.0%	0.6%	54.6%	9.2%	62.9%	12.7%	AICC20211
23.2%	10.7%	4.3%	12.6%	1.5%	20.6%	27.0%	26.4%	23.4%	AICC20209
13.2%	6.3%	6.9%	4.3%	0.0%	60.1%	9.1%	67.0%	10.6%	AICC20210

On the other hand, if the cost of the test is high, the firm will not test at all. In this case, the firm will only produce the high-quality product if the probability of a high-quality product is high enough to justify the cost of the test.

CFA	UFA	UHA	Strain
C20:5w3	C22:5w3	C22:6w3	
44.01	1.11	54.91	21
4.61	0.91	94.51	AICC20009
19.31	0.71	80.01	U40-2
31.91	0.01	60.11	210
07.91	0.01	12.11	BRNG1
12.51	6.11	01.51	56A
17.01	3.71	79.31	11A-1
24.91	4.31	70.01	4A-1
24.41	0.41	62.21	170
12.21	1.51	06.31	AICC20091
25.11	1.71	73.21	544
25.21	1.11	73.71	U30
16.21	5.41	70.41	59A
11.51	1.41	07.11	U37-2
14.01	1.91	04.21	550W
12.71	1.31	06.01	AICC20091
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21.01	2.91	76.11	LW119
13.41	1.01	05.61	C32-2
15.01	4.31	00.71	5A-1
27.41	5.41	67.21	BRNG1
17.01	1.91	01.11	U3
20.51	1.31	70.21	55B
19.01	5.01	74.41	10A
20.11	0.71	79.21	320
27.01	0.01	72.21	560
24.11	9.11	66.91	5X2
30.31	6.91	62.01	530
25.31	2.51	72.21	549
19.91	3.01	76.31	53
5.01	0.01	95.01	3A-1
36.91	2.61	60.51	15A
19.31	0.01	00.71	9A-1
25.01	4.41	69.01	510
26.31	5.01	60.71	0A-1
21.61	6.71	71.71	13A-1
20.01	0.01	72.01	240-2
20.71	0.01	71.31	240-1
16.21	0.01	03.01	30
6.31	0.01	93.71	50G5
19.71	3.31	77.01	160
25.71	2.11	72.61	6A-1
17.11	0.01	02.91	330
30.51	3.61	65.91	040
15.61	1.21	03.11	20A

LPA	MPA	MPA	SLASH
C20:5W3	C22:5W3	C22:6W3	
26.01	0.01	73.21	430
5.21	0.01	94.01	1A-1
17.41	1.21	01.51	041-2
5.41	0.01	94.61	560
13.91	1.31	04.01	46A
3.51	0.01	96.51	15A-1
5.01	2.41	91.01	13A
22.31	0.01	77.71	370
25.41	0.01	74.61	430
27.71	1.91	70.31	170
14.71	0.01	05.31	27A
27.21	0.01	70.01	460
20.01	7.51	64.51	ATCC20090
0.91	0.01	99.11	5A
27.31	0.01	72.71	200-2
16.91	0.01	03.11	270
34.31	3.41	62.31	470
9.71	0.01	90.31	100
26.11	1.91	71.91	549-2
27.91	0.01	70.11	200
30.11	6.21	63.71	00
15.61	1.51	02.91	130
15.21	0.01	04.01	26A
25.91	0.01	74.11	542
16.71	0.01	03.31	350
2.11	0.01	97.91	42A
26.61	0.01	73.41	40A
23.41	0.01	76.61	550C
30.61	2.91	66.41	59A
7.61	0.01	92.41	50G9
27.01	0.01	73.01	210
16.41	0.01	03.61	20
15.91	0.01	04.11	10
25.91	0.01	74.11	550
6.01	0.01	94.01	3A
26.71	0.01	73.31	90
14.11	0.01	05.91	02A
24.91	2.21	72.91	020
26.41	1.51	72.11	200-1
24.01	6.91	60.31	440
36.41	0.01	63.61	540
1.01	0.01	90.21	55A
7.11	0.01	92.91	49A
25.61	0.01	74.41	51A
21.51	0.01	70.51	14A-1
10.41	0.01	01.61	250
20.11	0.01	71.91	41A
14.31	0.01	05.71	24A
32.31	4.01	63.01	61A
01.61	0.01	0.41	000G

CPA	UPA	OPA	Station
C20:5W	C22:5W	C22:6W	
25.51	0.01	74.51	17A
14.41	0.01	05.61	60A
16.11	0.01	03.91	26B
12.41	2.71	04.91	ATCC20000
2.51	0.01	97.51	2A
7.51	0.01	92.51	44A
0.01	0.01	100.01	14A
26.71	0.01	73.31	41B
1.71	0.01	90.31	66A
24.51	3.11	72.41	11A
26.01	0.01	73.21	2X
27.61	0.01	72.41	33A
17.01	0.01	03.01	ATCC20092

PRIOR STRAINS			
EPA	UFA	UHA	Strain
C20:5w3	C22:5w3	C22:6w3	
6.4%	0.0%	93.6%	ATCC34304
27.9%	0.0%	72.1%	ATCC24473
12.2%	1.0%	86.8%	ATCC20211
16.4%	5.6%	78.1%	ATCC20209
10.3%	0.0%	89.7%	ATCC20210